

FIG. 1

```
graph TD; 100([BEGIN]) --> 110[SELECT PICTURE IMAGE TO BE PROCESSED]; 110 --> 120[SELECT TRIM INFORMATION]; 120 --> 130[MERGE TRIM INFORMATION INTO PICTURE IMAGE DATA]; 130 --> 140[PRINT PICTURE IMAGE WITH TRIM INFORMATION EMBEDDED INVISIBLY THROUGHOUT THE PICTURE IMAGE]; 140 --> END([END]);
```

The flowchart illustrates the process for printing a picture image with trim information embedded invisibly. It begins with a start node (100) labeled "BEGIN". An arrow points down to a rectangular process node (110) labeled "SELECT PICTURE IMAGE TO BE PROCESSED". From node 110, an arrow points down to another rectangular process node (120) labeled "SELECT TRIM INFORMATION". An arrow points right from node 120 to a rectangular process node (130) labeled "MERGE TRIM INFORMATION INTO PICTURE IMAGE DATA". From node 130, an arrow points down to a rectangular process node (140) labeled "PRINT PICTURE IMAGE WITH TRIM INFORMATION EMBEDDED INVISIBLY THROUGHOUT THE PICTURE IMAGE". Finally, an arrow points down from node 140 to an oval end node labeled "END".

FIG. 2

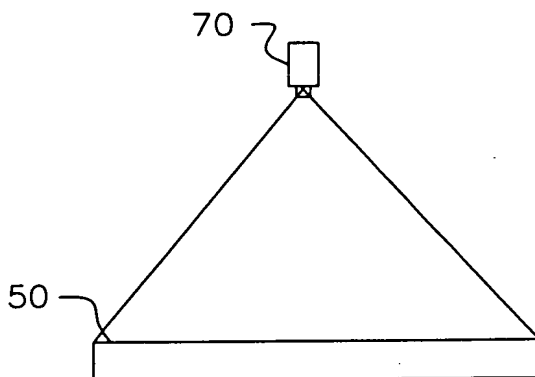


FIG. 4

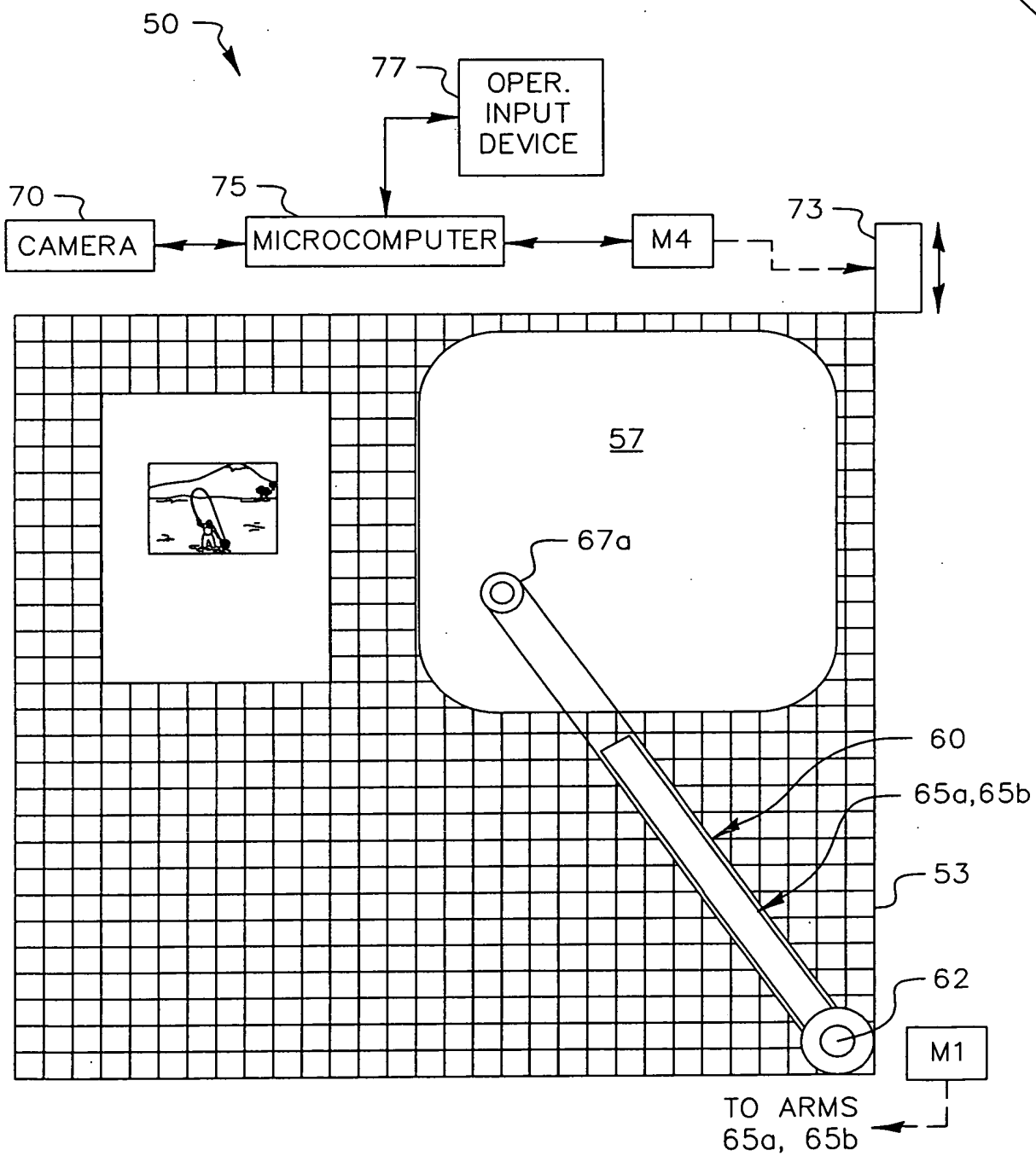


FIG. 3

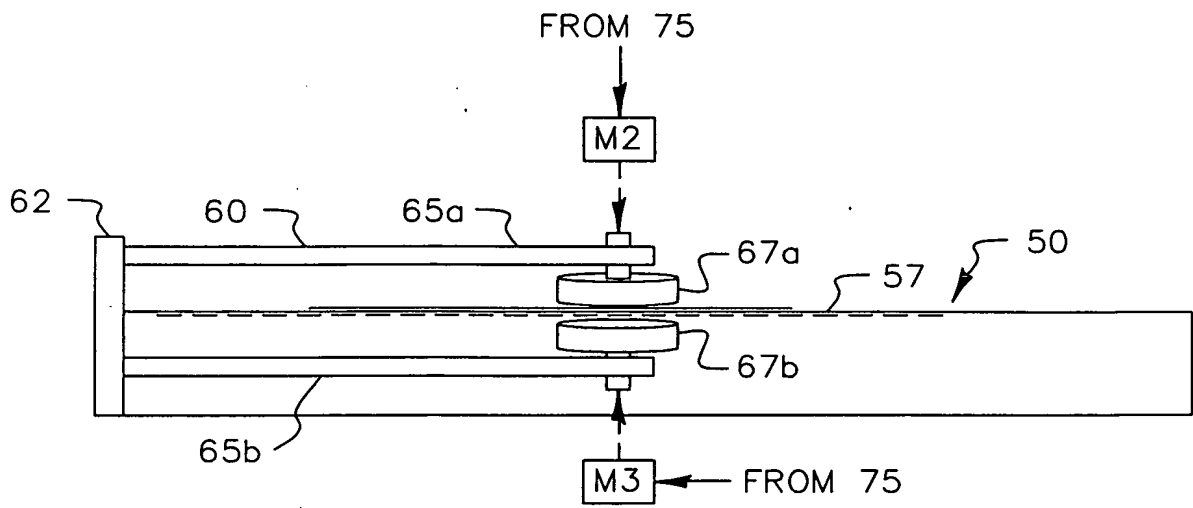


FIG. 5

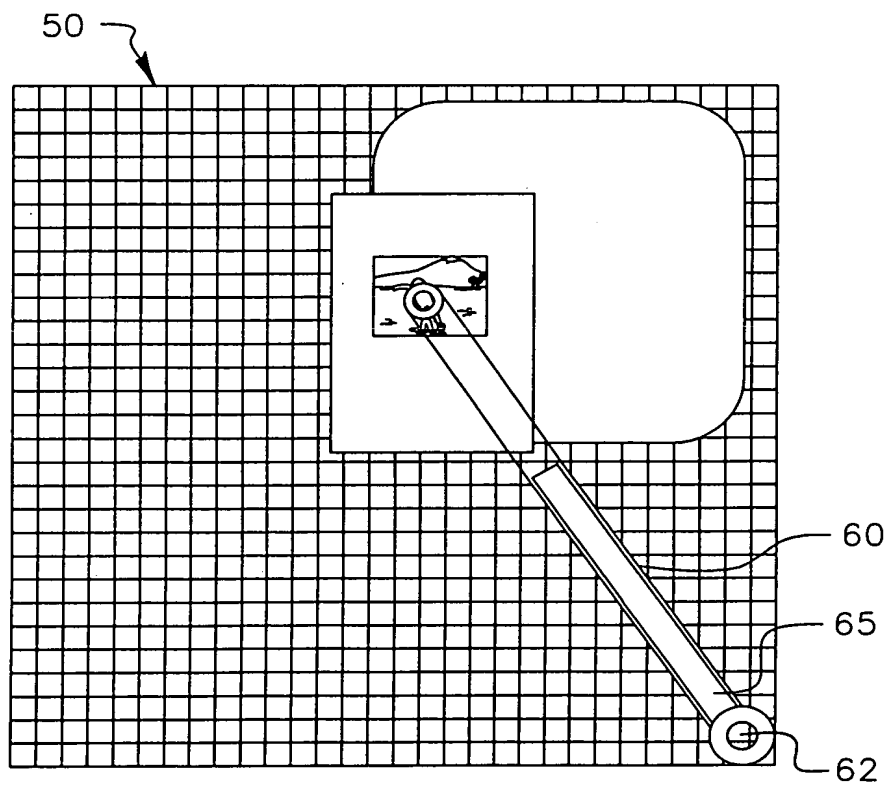
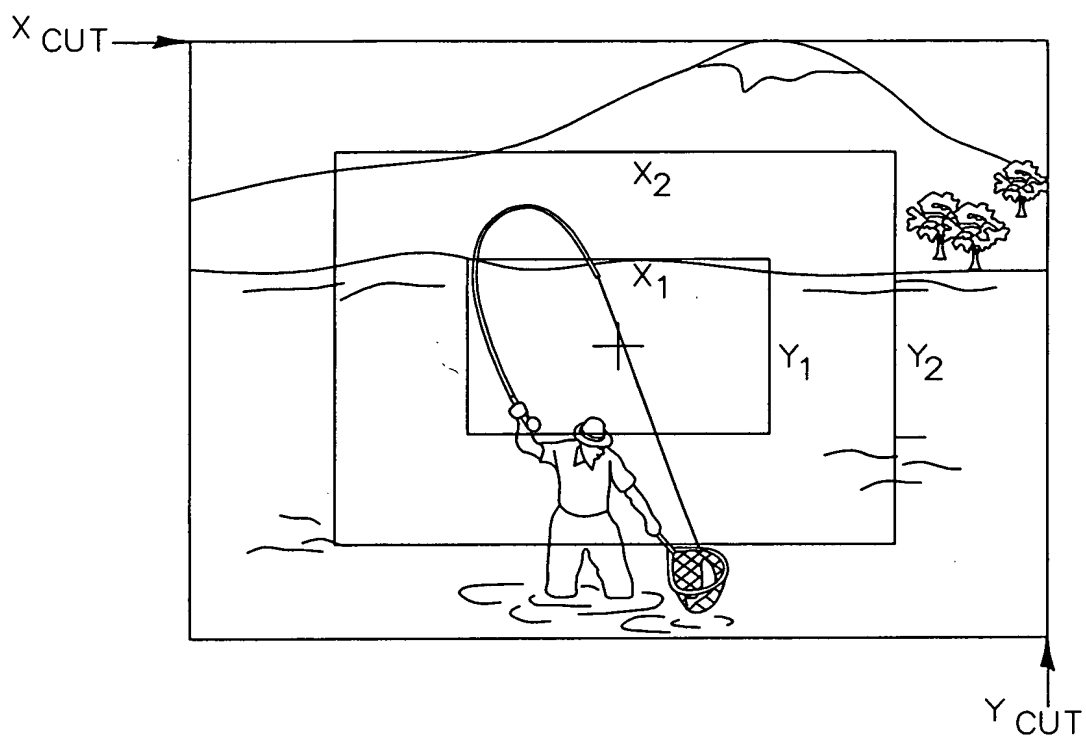


FIG. 6

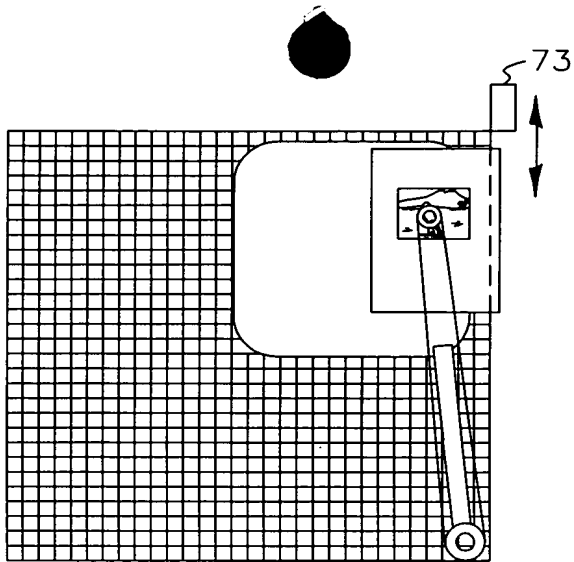


ALGORITHM APPLIED: $X_{CUT} = X_1 + X_2$

$Y_{CUT} = Y_1 + Y_2$

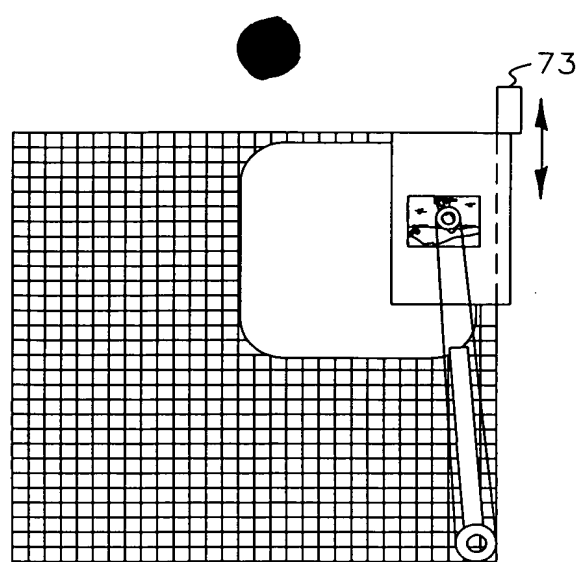
CENTERED ON THE CROSSHAIRS

FIG. 7



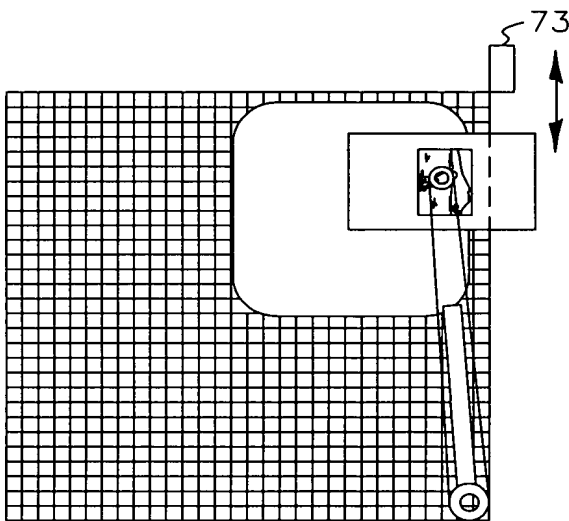
HEAD TRANSLATION & ROTATION
TO FIRST EDGE CUT

FIG. 8a



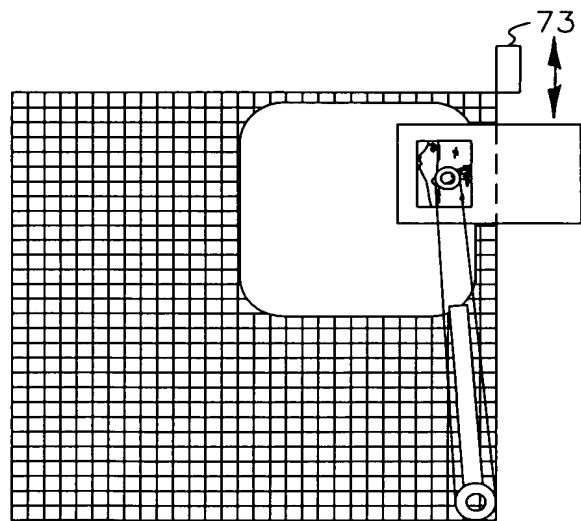
180 DEG. ROTATION TO
SECOND EDGE CUT

FIG. 8b



HEAD TRANSLATION AND 90 DEG.
ROTATION TO THIRD EDGE CUT

FIG. 8c



180 DEG. ROTATION TO
LAST EDGE CUT

FIG. 8d



FINISHED CUT

FIG. 8e

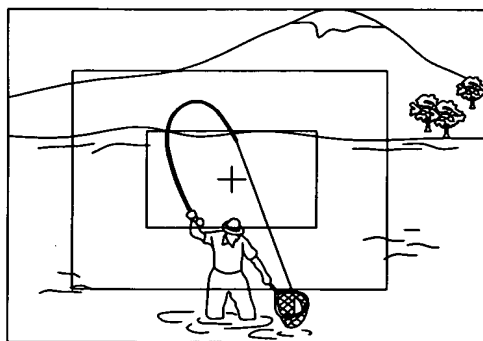


FIG. 9a

NORMAL
CUT

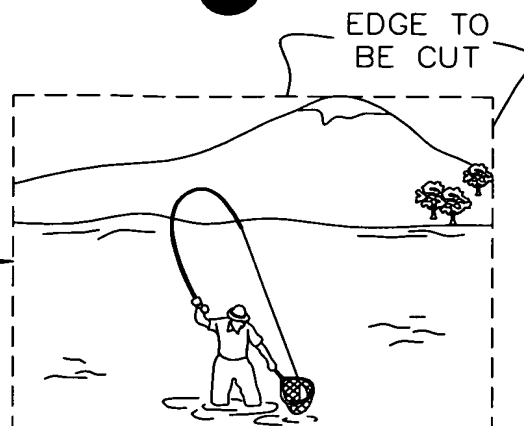


FIG. 9b

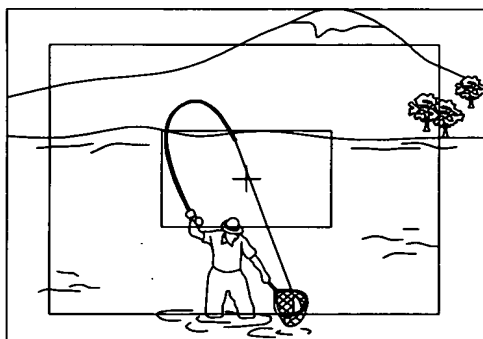


FIG. 10a

HALF-INCH
BORDER
CUT

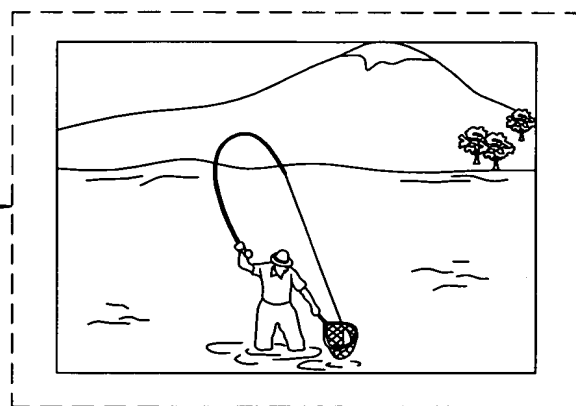


FIG. 10b

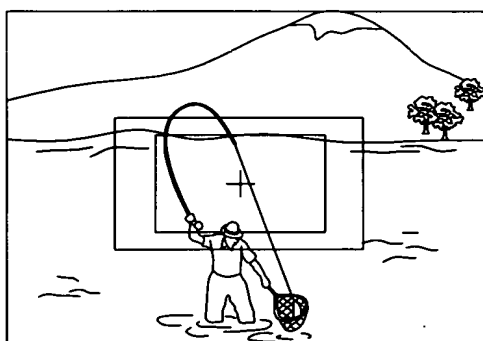


FIG. 11a

CENTER
CROP

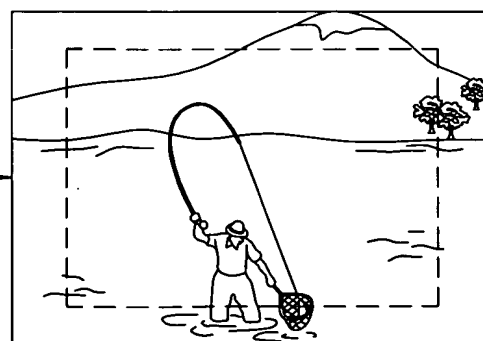


FIG. 11b

100220 0993260

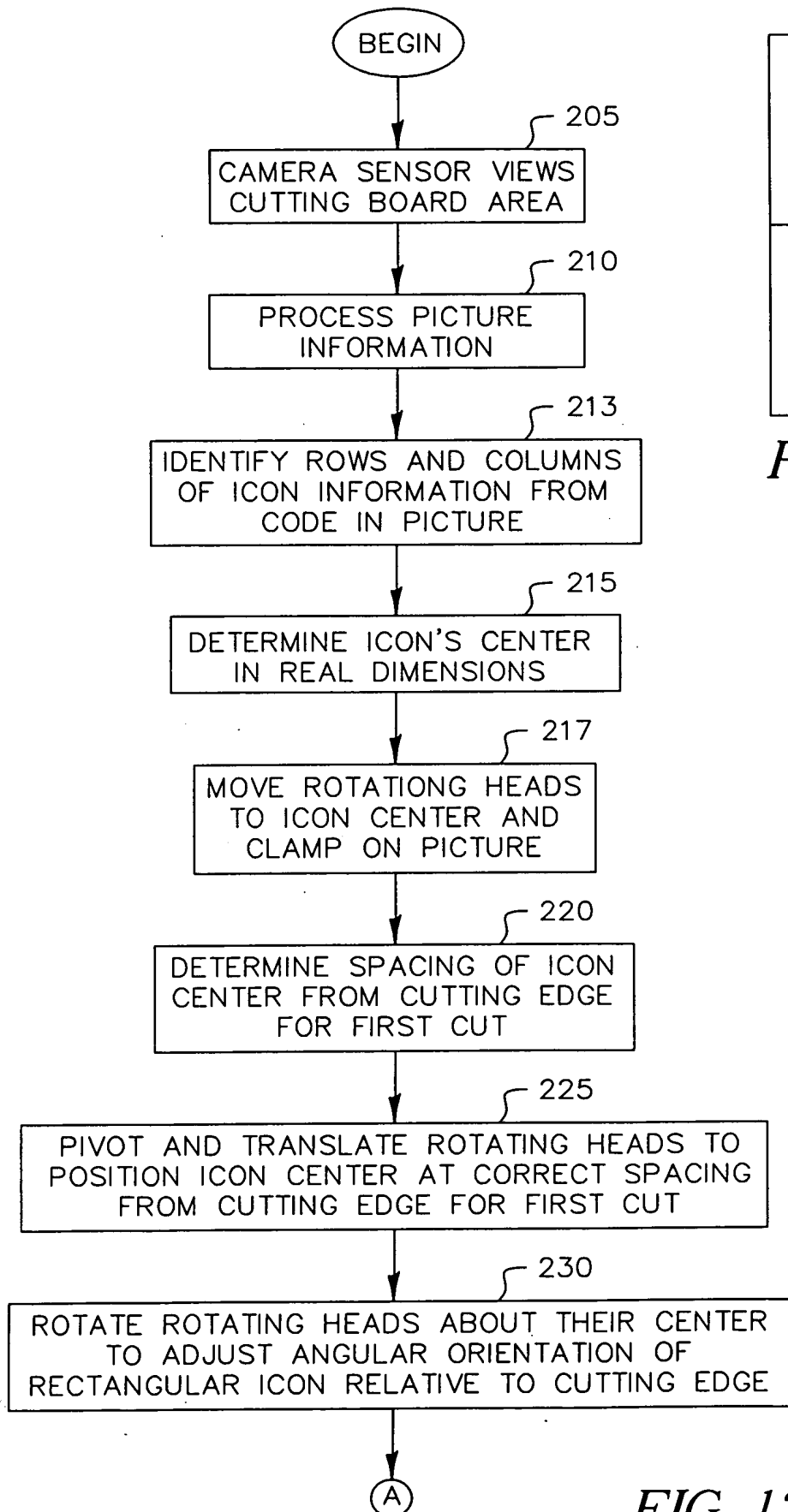


FIG. 12A

FIG. 12B

FIG. 12

FIG. 12A

FIG. 13

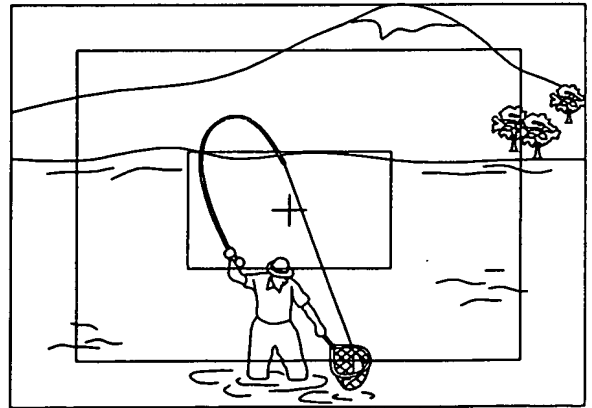
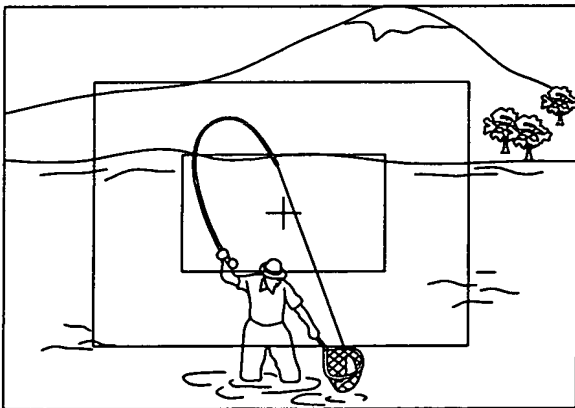
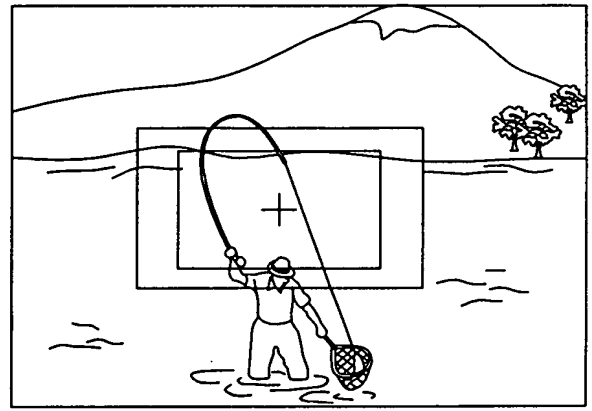
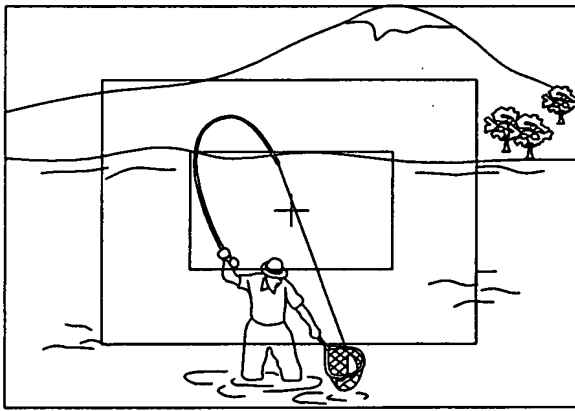
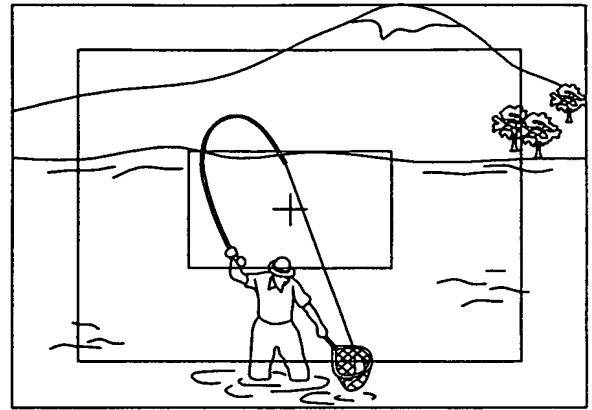
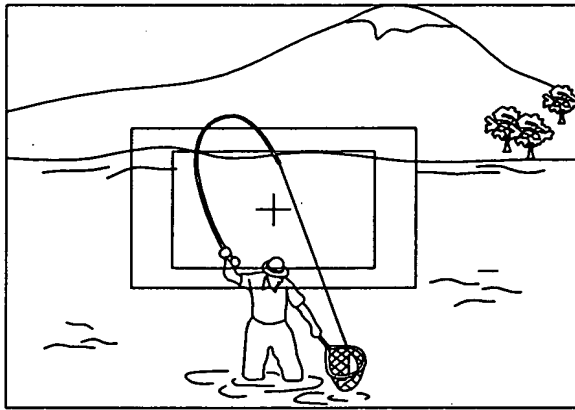


FIG. 13

100220-09992250

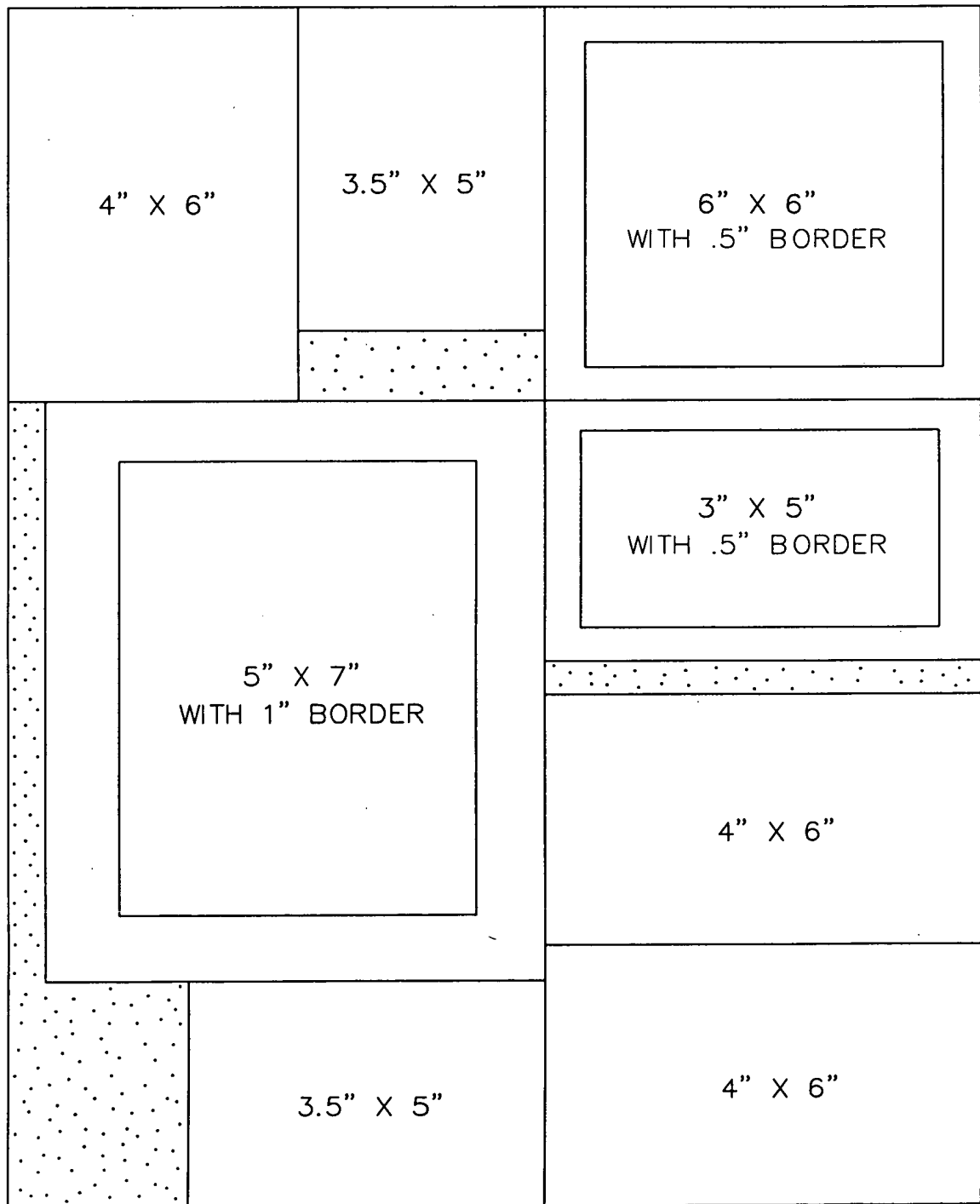


FIG. 14

100220-0993260

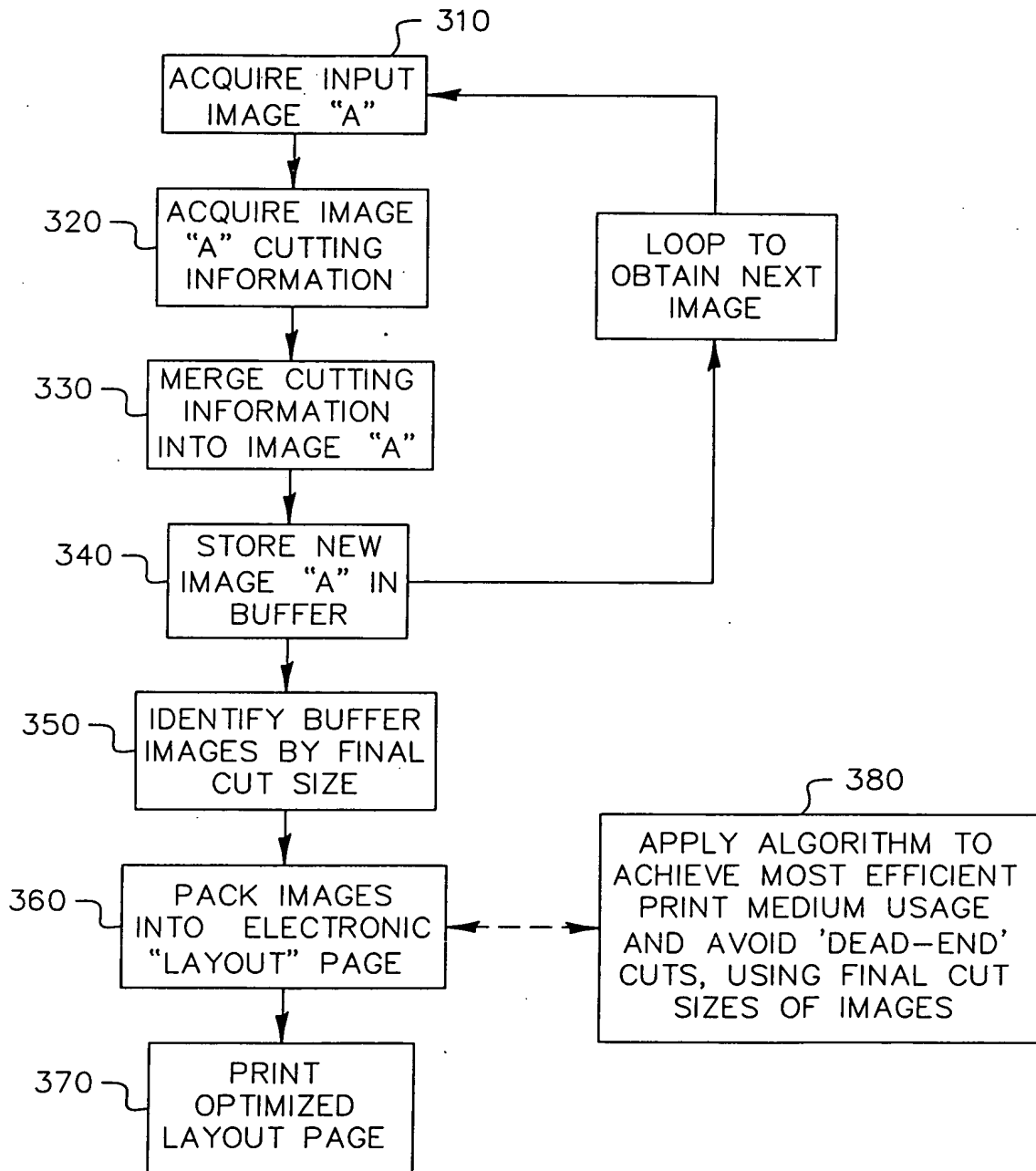


FIG. 15

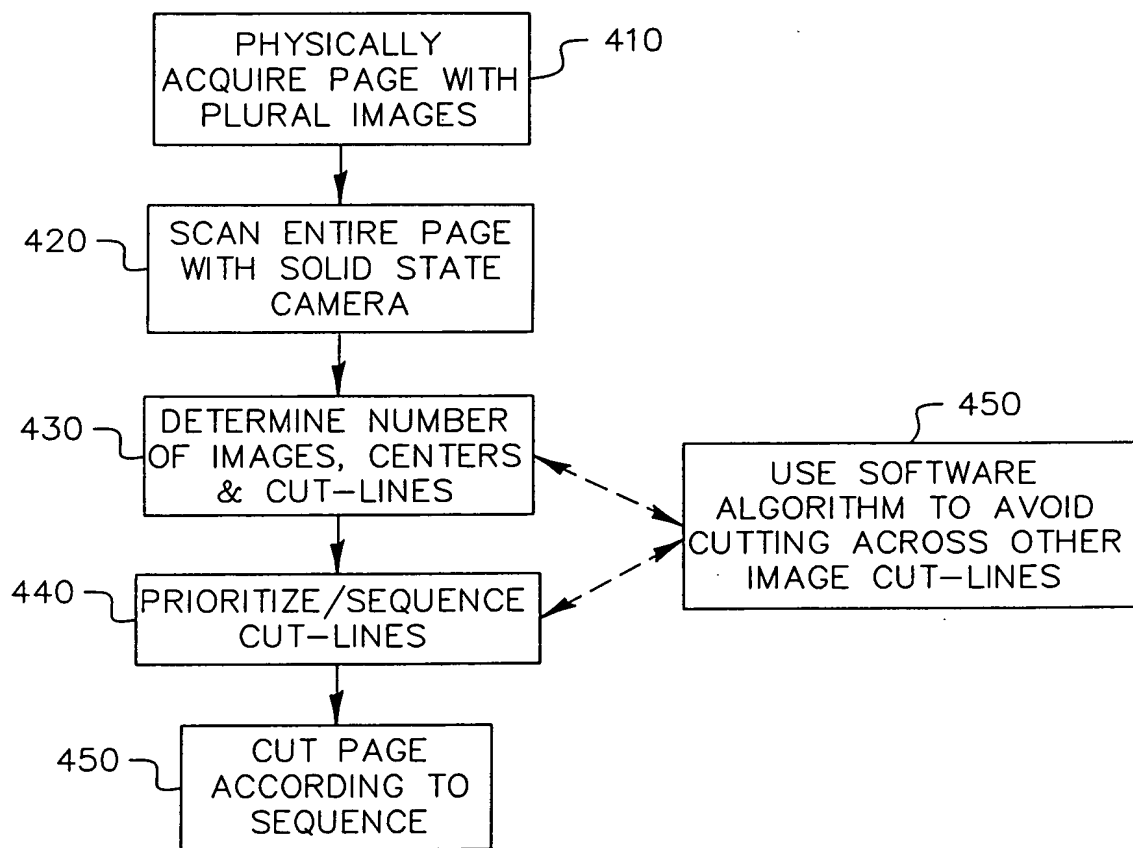


FIG. 16